



1

SEQUENCE LISTING

<110> Adams, Sean

Yu, Xiang Xian

<120> CONTROL OF METABOLISM WITH COMPOSITIONS OF THE HUMAN 2-  
OXOGLUTARATE CARRIER

<130> 10466/35

<140> 09/888,264

<141> 2001-06-22

<150> 60/213,307

<151> 2000-06-22

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 1123

<212> DNA

<213> Homo sapiens; GenBank NM\_003562

<400> 1

ccgagggcca ttgagtggcg atggcggcga cggcgagtgc cggggccggc gggatggacg 60

ggaagccccg tacctcccct aagtcctca agttcctgtt tgggggcctg gccgggatgg 120

gagctacagt ttttgtccag cccctggacc tggatgaaga ccgatgcag ttgagcgggg 180  
 aaggggcaa gactcgagag tacaaaacca gcttccatgc cctcaccagt atcctgaagg 240  
 cagaaggcct gaggggcatt tacactgggc tgtcggctgg cctgctgcgt caggccacct 300  
 acaccactac ccgccttggc atctataccg tgctgtttga gcgcctgact ggggctgatg 360  
 gtactcccc tggctttctg ctgaaggctg tgattggcat gaccgcaggt gccactgggtg 420  
 ctttgtggg aacaccagcc gaagtggctc ttatccgat gactgccgat ggccggcttc 480  
 cagctgacca gcgcctggc tacaaaaatg tgtttaacgc cctgattcga atcaccggg 540  
 aagaggggtg cctcacactg tggcggggct gcacccctac catggctcgg gccgtcgtcg 600  
 tcaatgctgc ccagctcgc tctactccc aatccaagca gttcttactg gactcaggct 660  
 acttctctga caacatcctg tgccacttct gtgccagcat gatcagcggg cttgtcacca 720  
 ctgctgcctc catgcctgtg gacattgcca agaccgaat ccagaacatg cggatgattg 780  
 atgggaagcc ggaatacaag aacgggctgg acgtgctgtt caaagttgtc cgctacgagg 840  
 gcttcttcag cctgtggaag ggcttcacgc cgtactatgc ccgcctgggc cccacacccg 900  
 tctcacctt catcttcttg gagcagatga acaaggccta caagcgtctc ttcctcagt 960  
 gctgaagcgt ttcagggcac acaggacagc agaagatccc ctttgtcagt ggggaaacca 1020  
 aggcagagct gaggggacag ggaggagcag aagccatcaa gatgggtcaa gggcctgcag 1080  
 agggagatgt ggccttctc cccctcattg aggactcaat aaa 1123

<210> 2

<211> 1503

<212> DNA

<213> Homo sapiens; GenBank AF070548

<400> 2

cctcgtgcc aagcgtgcgc gcacctcgt ctgttgccgc gcgggtgtca ccttgggggc 60  
 gagcggggcc gtgcgcgcac gggaccggga gccgagggcc attgagtggc gatggcggcg 120  
 acggcgagt ccggggccgg cgggatagac gggaagcccc gtacctcccc taagtccgtc 180  
 aagttcctgt ttgggggcct ggccgggatg ggagctacag ttttgtcca gccctggac 240

ctggtgaaga accgcatgca gttgagcggg gaaggggcca agactcgaga gtacaaaacc	300
agcttccatg cctcaccag tatcctgaag gcagaaggcc tgaggggcat ttacactggg	360
ctgtcggctg gcctgctgag tcagggcacc tacaccacta cccgccttgg catctatacc	420
gtgctgtttg agcgccctgac tggggctgat ggtactcccc ctggctttct gctgaaggct	480
gtgattggca tgaccgcagg tgccactggg gcctttgtgg gaacaccagc cgaagtggct	540
cttatccgca tgactgccga tggccggctt ccagctgacc agcgccgtgg ctacaaaaat	600
gtgtttaacg ccttgattcg aatcaccgg gaagaggggtg tcttcacact gtggcggggc	660
tgcaccccta ccatggctcg ggccgtcgtc gtcaatgctg cccagctcgc ctctactcc	720
caatccaagc agttcttact ggactcaggc tacttctctg acaacatctt gtgccacttc	780
tgtgccagca tgatcagcgg tcttgtcacc actgctgcct ccatgcctgt ggacattgcc	840
aagacccgaa tccagaacat gcggatgatt gatgggaagc cggaatacaa gaacgggctg	900
gacgtgctgt tcaaagttgt ccgctacgag ggcttcttca gcctgtggaa gggcttcacg	960
ccgtactatg cccgcctggg ccccccacacc gtcctcacct tcctcttctt ggagcagatg	1020
aacaaggcct acaagcgtct cttectcagt ggctgaagcg gccgggggct cccactcgcc	1080
tgctgcgcct atagccactg cgccctgggg gcctgggctc tgctgccctg gacccctcta	1140
tttatttccc ttccacagtg tggtttcttc ctctgcggtc aaggacttgg tctgttctac	1200
ccctgctcc agcttgccct gctcgtcctg atcctgtgat ttctctgtcc ttggctattc	1260
ttgcagggag ctggaaaact tctgaggat ttctggcctc cccctgggtt ttagtttcag	1320
ggcacacagg acagcagaag atcccctttg tcagtgggga aaccaaggca gagctgaggg	1380
gacagggagg agcagaagcc atcaagatgg tcaaagggcc tgcagaggga gatgtggccc	1440
ttcctcccc tcattgagga cttaataaat tggattgatg acacaaaaa aaaaaaaaaa	1500
aaa	1503